Index of Claims

| App | lication | Control | No. |
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Olga N. Chernyshev

10/014,291

Examiner

Applicant(s)/Patent under Reexamination

HORSTEN ET AL.

Art Unit

1646

√ Rejected – = Allowed +

- (Through numeral) Cancelled

Restricted

Non-Elected

Interference

A Appeal
O Objected

| Cla            | aim      |              |                 |           | _        | Date         | e               |          |          |           | Cla      | im       |          |         |          | Date            | ·        |         |             | ][   | CI          | aim         |                 |                   |           | C        | ate       | •        |              |           |          |
|----------------|----------|--------------|-----------------|-----------|----------|--------------|-----------------|----------|----------|-----------|----------|----------|----------|---------|----------|-----------------|----------|---------|-------------|--|-------------|-------------|-----------------|-------------------|-----------|----------|-----------|----------|--------------|-----------|----------|
|                | <u> </u> |              |                 |           |          |              |                 |          |          |           |          | _        |          |         |          |                 |          |         |             |  |             | <del></del> |                 |                   | Ī         |          |           |          |              |           |          |
| Final          | Original | 5/4/05       |                 |           |          |              |                 |          |          |           | Final    | Original |          |         |          |                 |          |         |             |  | Final       | Original    |                 |                   |           | ŀ        |           |          |              |           |          |
| 证              | i E      | 5/4          |                 |           |          |              |                 |          |          |           | ίĒ       | Ë        |          |         |          | H               |          | ı       |             |  | ίΞ          | ١ڃ          |                 |                   |           |          |           |          |              | - 1       |          |
|                |          | L            | Ш               |           |          |              |                 | Ш        |          |           |          |          |          |         | 丄        | Ш               | $\bot$   |         |             |  | _           |             |                 |                   | $\bot$    |          |           |          | $\bot$       |           |          |
|                | 1        | 1            | $\sqcup$        | _         |          |              |                 | Ш        | Ш        |           | L        | 51       |          |         | ┸        | ╽               |          | _       |             |  |             | 101         | Ш               |                   |           |          | _         |          | _            | $\perp$   |          |
|                | 2        | 1            | $\sqcup$        | _         |          |              |                 | Ш        | Ш        |           | L        | 52       | _        |         | 1_       | H               | _        | _       |             |  |             | 102         | Ш               |                   | _         |          | _         | _        | $\dashv$     | 4         |          |
|                | 2        | <b>├</b> -   | -               | _         | _        |              |                 | Ш        |          |           |          | 53       |          | 4       | _        | Ш               | _        |         |             |  |             | 103         | Ш               | $\perp$           | _         | _        | _         | _        | _            | _         | 4        |
|                | 4        | 1            | $\vdash$        |           |          | _            | _               | Ш        |          |           |          | 54       | -+       | - -     |          | H               | _        | _ _     | -           |  |             | 104         |                 | $\vdash$          | $\dashv$  | $\dashv$ | _         | _        | _            | _         | -4       |
| <u> </u>       | 5        | 1            | $\vdash$        |           |          | <u> </u>     | -               | -        | -        |           |          | 55       | $\dashv$ |         | -        | $\vdash$        |          | - -     | +           | <b></b>                                      |             | 105         | _               | $\vdash$          | _         | _        | _         | _        | _            | -+        | $\dashv$ |
|                | 6<br>7   | 7            | $\vdash$        | _         |          | $\vdash$     | -               |          | -        |           |          | 56<br>57 | +        | -       | ╀        | $\vdash$        | $\dashv$ | -       | +           |  |             | 106         | -               |                   | $\dashv$  | $\dashv$ | $\dashv$  | -        | +            |           |          |
| <u> </u>       | 8        | ľ            | $\vdash$        | $\dashv$  |          | <del> </del> |                 | -        | Н        |           | $\vdash$ | 58       | $\dashv$ |         | ┿        | $\vdash$        | $\dashv$ | +       | +-          |  |             | 107<br>108  | Н               | $\dashv$          | +         | $\dashv$ | $\dashv$  |          | -            | -+        | ᅱ        |
|                | 9        | V            | $\vdash$        | ᅱ         | -        | -            | H               |          |          |           | -        | 59       | $\dashv$ | +       | +-       | $\vdash$        | +        | +       | +-          | <b> </b>                                     |             | 109         | $\vdash$        | $\vdash$          | $\dashv$  | $\dashv$ | ᅱ         | $\dashv$ | -            | +         | $\dashv$ |
|                | 10       | V            | $\vdash$        | $\dashv$  |          | <u> </u>     |                 |          | $\neg$   | -         | -        | 60       | -+       | ╅       | +        | H               | +        | +       | +           |  | -           | 110         |                 | $\vdash$          | +         |          | $\dashv$  | -        | -            | +         | ᅱ        |
| <del>  -</del> | 11       | 1            | H               | $\dashv$  |          |              | H               | $\vdash$ | $\vdash$ |           | -        | 61       | $\dashv$ | +-      | +        | $\vdash$        |          | +       | +           | <b>                                     </b> |             | 111         | $\vdash$        | $\vdash$          | $\dashv$  | $\dashv$ | $\dashv$  | $\dashv$ | $\dashv$     | $\dashv$  | $\dashv$ |
| <b>-</b>       | 12       | 1            | $\vdash \vdash$ | $\dashv$  |          |              | $\vdash$        | $\vdash$ |          | _         |          | 62       | $\dashv$ | +       | +        | $\vdash$        | $\dashv$ | +       | +           | <b>                                     </b> |             | 112         | $\vdash$        | $\dashv$          | +         | $\dashv$ | $\dashv$  | $\dashv$ | $\dashv$     | +         | $\dashv$ |
|                | 13       | V            | $\vdash$        | $\dashv$  |          | $\vdash$     | Н               | $\vdash$ | $\dashv$ |           |          | 63       | $\dashv$ | +       | +-       | $\vdash$        | -+       | +       | +           |  |             | 113         | Н               | $\dashv$          | $\dashv$  | $\dashv$ | $\dashv$  |          | $\dashv$     | $\dashv$  | ᅱ        |
|                | 14       | 1            | H               |           |          | Н            | Н               | H        |          |           |          | 64       | $\dashv$ | _       | †        | Н               | $\dashv$ | +       | +           |  |             | 114         | H               | $\dashv$          | -         |          | $\dashv$  | $\dashv$ | $\dashv$     | $\dashv$  | $\dashv$ |
|                | 15       | 1            | H               |           |          |              | П               | $\Box$   |          | _         |          | 65       | $\dashv$ | $\top$  | 1        | Н               | $\dashv$ | +       | $\top$      |  |             | 115         | H               | $\dashv$          | $\dashv$  | $\dashv$ | $\dashv$  | $\dashv$ | $\dashv$     | -+        | $\dashv$ |
|                | 16       |              |                 |           |          |              | П               | $\Box$   | $\neg$   |           |          | 66       | $\dashv$ | $\top$  | †        | H               | $\top$   | - -     | T           |  |             | 116         | Н               | $\dashv$          | $\dashv$  | $\dashv$ | 1         | _        | $\dashv$     | $\dashv$  | ᅱ        |
|                | 17       |              |                 |           |          |              | П               |          |          |           |          | 67       | 一        | $\top$  | 1        | H               | $\top$   |         | 1           |  |             | 117         | Н               | $\dashv$          | $\dashv$  | $\dashv$ | $\dashv$  | _        | $\dashv$     | 十         | ヿ        |
|                | 18       | Г            |                 |           |          |              |                 |          |          |           |          | 68       | $\neg$   |         | 1        | $\Box$          | $\top$   | 1       |             |  |             | 118         | П               |                   | $\exists$ | T        | Ì         | 一        | $\dashv$     | $\top$    | ヿ        |
|                | 19       |              |                 |           |          |              |                 |          |          |           |          | 69       |          | $\top$  |          |                 |          | $\top$  | 1           |  |             | 119         |                 |                   | T         | T        | T         |          | 7            | T         | ヿ        |
|                | 20       |              |                 |           |          |              |                 |          |          |           |          | 70       |          |         | T        |                 | 1        | T       | 1           |  |             | 120         | П               |                   | $\neg$    |          |           |          | $\neg$       |           | ヿ        |
|                | 21       |              |                 |           |          |              |                 |          |          |           |          | 71       |          |         |          |                 |          |         |             |  |             | 121         | П               |                   |           |          | T         |          |              | 1         | ٦        |
|                | 22       |              |                 |           |          |              |                 |          |          |           |          | 72       | _        |         |          |                 |          |         |             |  |             | 122         |                 |                   |           |          |           |          | $\neg$       | $\neg$    |          |
|                | 23       |              |                 | $\sqcup$  |          |              |                 |          |          |           |          | 73       |          |         |          |                 |          |         |             |  |             | 123         |                 |                   |           |          |           |          |              |           |          |
|                | 24       |              |                 | 4         |          |              | Ш               |          |          |           |          | 74       |          |         |          |                 |          |         |             |  |             | 124         |                 |                   |           |          |           |          |              |           | ╗        |
|                | 25       |              |                 | _         |          |              |                 |          | $\Box$   |           |          | 75       |          |         |          |                 |          | $\perp$ |             |  |             | 125         | Ш               |                   | $\bot$    |          |           |          |              |           |          |
|                | 26       | $oxed{oxed}$ | $\perp$         | 4         |          |              | Ц               | $\Box$   | _        |           |          | 76       | _        |         | _        | Ш               | _        | _       |             |  |             | 126         | Ш               |                   | $\dashv$  |          | _         |          |              | $\perp$   | ╝        |
|                | 27       |              | $\dashv$        | _         |          |              | Ш               | $\dashv$ | _        |           |          | 77       | _        | -       | -        |                 | _        |         | <del></del> |  |             | 127         | Ш               |                   | _         |          | _         |          | _            | 4         |          |
|                | 28       | $\vdash$     | $\dashv$        | -         | _        |              | Н               | $\vdash$ |          |           |          | 78       | -        | 4       |          |                 | 4        | - -     | $\perp$     |  |             | 128         |                 |                   | 4         | 4        | _         |          |              | _         | 4        |
|                | 29       |              | $\dashv$        | -1        | _        |              |                 | $\dashv$ |          |           |          | 79       | -        | +       | $\vdash$ | $\vdash$        | -        | _       | +           |  |             | 129         | Ш               | $\dashv$          | -         | -        |           |          | $\perp$      | +         | _        |
|                | 30<br>31 |              | -               |           | $\dashv$ |              | $\vdash$        | $\dashv$ | -        | _         | -        | 80       | -+       | +       | ┢        | $\vdash$        | +        | +       | $\perp$     |  |             | 130         | $\square$       | $\dashv$          | -         | +        | -         | _        | $\downarrow$ | 4         | 4        |
|                | 32       |              | $\vdash$        | 4         |          |              | $\vdash$        | $\dashv$ | -        | -         |          | 81<br>82 | -        | +       | $\vdash$ | $\vdash \vdash$ | +        | -       | +           |  |             | 131         | $\vdash \vdash$ | +                 | +         | +        |           |          | +            | $\dashv$  | $\dashv$ |
|                | 33       | $\vdash$     | +               | $\dashv$  | $\dashv$ |              | $\vdash$        |          | -        | -         | - 1      | 83       | +        |         | +        | $\vdash \vdash$ | +        | - -     | +           |  | -           | 132<br>133  | $\vdash \vdash$ | +                 | +         | -+       |           | $\dashv$ | +            | +         | $\dashv$ |
|                | 34       | Н            | $\dashv$        | $\dashv$  | $\dashv$ | $\dashv$     | $\vdash \vdash$ | $\dashv$ | $\dashv$ | $\dashv$  |          | 84       | +        |         | +        | $\vdash$        | +        | +       | +           | <b> </b>                                     |             | 134         | $\vdash \vdash$ | +                 | +         | +        |           | $\dashv$ | +            | +         | $\dashv$ |
|                | 35       | Н            | $\dashv$        | +         | +        | -            | $\vdash$        |          | $\dashv$ |           |          | 85       | +        | +       |          | $\vdash$        | +        | ┪       | +           | <br>   |             | 135         | $\vdash$        | +                 | +         | $\dashv$ | -+        | $\dashv$ | +            | +         | $\dashv$ |
|                | 36       |              | $\forall$       | +         |          |              | $\vdash$        |          | $\dashv$ |           |          | 86       | $\dashv$ | +       | $\vdash$ | $\vdash$        | +        | +       | +           |  |             | 136         | $\vdash$        | +                 | $\dashv$  | $\dashv$ | $\dashv$  | $\dashv$ | $\dashv$     | $\dashv$  | $\dashv$ |
| -              | 37       | H            | +               | 7         | $\dashv$ |              | $\Box$          | $\neg$   |          | $\dashv$  |          | 87       | +        | +       | $\vdash$ | $\vdash +$      | $\dashv$ | +       | +           | <b>       </b>                               |             | 137         | $\vdash$        | $\dashv$          | +         | $\dashv$ | $\dashv$  | $\dashv$ | $\dashv$     | +         | $\dashv$ |
|                | 38       |              | $\top$          | 7         | $\dashv$ | $\dashv$     | $\Box$          | 十        | -        | $\exists$ |          | 88       | $\top$   | +       | T        | $\vdash \vdash$ | +        | +       | +           | -  |             | 138         | $\vdash$        | +                 | $\dashv$  | $\dashv$ | $\dashv$  | $\dashv$ | +            | $\dashv$  | $\dashv$ |
|                | 39       | П            | $\sqcap$        | T         |          |              | $\vdash$        | 一        | 寸        | ┪         |          | 89       | $\dashv$ | +       | 1        | $\vdash$        | $\dashv$ | +       | +           | <br> <br>                                    |             | 139         | $\vdash$        | -+                | +         | $\dashv$ | +         | -        | +            | +         | $\dashv$ |
|                | 40       |              | $\Box$          | 寸         |          | $\exists$    | $\Box$          | $\neg$   | _        | $\dashv$  |          | 90       | $\top$   | +       | Τ.       | $\vdash$        | ╁        | $\top$  | +           | <br> <br>                                    |             | 140         | $\vdash$        | $\dashv$          | +         | -+       | $\dashv$  | ┪        | $\dashv$     | +         | $\dashv$ |
|                | 41       |              | $\dashv$        | $\exists$ |          | $\neg$       | $\Box$          | 寸        | 1        | ╗         |          | 91       | $\dashv$ | $\top$  |          | $\sqcap$        | $\dashv$ | $\top$  | Ħ           | <b></b>                                      |             | 141         | $\vdash$        | $\dashv$          | $\dashv$  | 十        | +         | -        | $\dashv$     | +         | $\dashv$ |
|                | 42       |              |                 | _1        |          |              |                 | 寸        |          |           |          | 92       | 1        | $\top$  |          | $\Box$          | 十        | _       | П           | <u> </u>                                     |             | 142         | $\dashv$        | $\dashv$          | $\dashv$  | 十        | 十         | 寸        | _            | 十         | ┨        |
|                | 43       |              |                 |           |          |              |                 |          |          |           |          | 93       |          | 7       | П        | $\Box$          | T        | $\top$  | T           |  | $\neg \neg$ | 143         |                 | 寸                 | 7         | 寸        | 寸         | _        | $\dashv$     | $\top$    | $\dashv$ |
|                | 44       |              |                 | I         |          |              |                 |          | $\Box$   |           |          | 94       |          |         |          |                 |          | T       |             |  |             | 144         |                 | $\dashv$          | 7         | $\neg$   | 寸         | _†       | 十            | 十         | ヿ        |
|                | 45       |              |                 | _[        |          |              | $\Box$          | $\Box$   |          |           |          | 95       |          |         |          |                 |          | I       |             |  |             | 145         |                 |                   | _†        |          | $\neg$    | $\Box$   | 丁            |           | ٦        |
| ]              | 46       |              |                 | $\prod$   |          |              |                 | $\Box$   | $\Box$   |           |          | 96       |          |         |          |                 |          |         |             |  |             | 146         |                 |                   | T         | $\top$   |           | T        | T            | $\top$    | ٦        |
|                | 47       |              | $\perp$         | _         | $\dashv$ |              | _               | [        | _        | _]        |          | 97       |          |         | $\Box$   |                 |          |         |             |  |             | 147         |                 | $oxed{\int}$      | I         | $\Box$   |           | ╗        | Т            |           | _]       |
|                | 48       |              | _               | 4         | 4        | _            | _               |          | _        | _         |          | 98       | $\perp$  | $\perp$ | Ш        |                 |          | $\perp$ | Ш           | [  |             | 148         | $\Box$          | $oldsymbol{\bot}$ | Ι         | $\Box$   | $\Box$    | $\Box$   | $oxed{oxed}$ | I         |          |
|                | 49       | _            | $\dashv$        | 4         | 4        |              | _               |          |          | _         |          | 99       | _ _      | $\bot$  | Ш        | $\sqcup$        |          | $\perp$ | Ш           |  | ]           | 149         |                 | $\perp$           | $\perp$   | $\perp$  | $_{ m I}$ |          |              | $\perp$   | _]       |
| 1              | 50       |              |                 |           |          |              |                 |          | 1        | _J        | <br>1    | 100      | _L       |         | Ш        | $\perp$         | Ц_       |         | Ш           | :::::L                                       |             | 150         |                 |                   |           | $\perp$  | _1        |          | $\bot$       | $\perp$ L | ╝        |